

Title (en)

FM communication device with avoidance of interference by substantially same channel fm signal.

Title (de)

FM-Nachrichten-Einrichtung mit Herabsetzung von Schwebungen eines im wesentlichen denselben Kanal überstreichenden FM-Signals.

Title (fr)

Dispositif de communication FM avec réduction d'interférence par un signal FM couvrant une grande partie du même canal.

Publication

**EP 0283401 A2 19880921 (EN)**

Application

**EP 88400642 A 19880317**

Priority

JP 6358787 A 19870318

Abstract (en)

An FM communication device employs a logarithmic amplifier (16) which performs logarithmic conversion of a frequency modulated signal. The beat component level of the output signal of the logarithmic amplifier (16) is checked with a reference level for detecting interference. With the construction set forth above, the FM communication device, according to the invention, detects the ripple of the received FM signal caused by interference of another FM signal by means of the logarithmic amplifier (16) which converts the received FM signal logarithmically and of a detection circuit (19 to 22) which AM-detects the output signal of the logarithmic amplifier (16), so that the interference can be detected via the output signal of the detection circuit (19 to 22).

IPC 1-7

**H03D 3/00; H04B 1/10**

IPC 8 full level

**H04B 17/00** (2015.01); **H03D 3/00** (2006.01); **H04B 1/10** (2006.01); **H04B 17/345** (2015.01)

CPC (source: EP KR US)

**H03D 3/002** (2013.01 - EP US); **H04B 1/10** (2013.01 - KR); **H04B 1/1027** (2013.01 - EP US)

Cited by

GB2231218A; GB2231218B; DE4235453A1; US5568480A; GB2226723A; GB2226723B; EP2941797A4; EP0505072A3; US5355530A; EP0344539A3; EP2973994A4; WO2014145129A1; US9621203B2; US9684807B2; US11012953B2; US11082014B2; US11183974B2; US9590572B2; US10333475B2; US11050393B2; US11095255B2

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**EP 0283401 A2 19880921; EP 0283401 A3 19900704; EP 0283401 B1 19941109**; CA 1278043 C 19901218; DE 3852052 D1 19941215; DE 3852052 T2 19950406; JP 2698349 B2 19980119; JP S63229927 A 19880926; KR 880012032 A 19881031; KR 960008947 B1 19960710; US 4882768 A 19891121

DOCDB simple family (application)

**EP 88400642 A 19880317**; CA 561703 A 19880317; DE 3852052 T 19880317; JP 6358787 A 19870318; KR 880002387 A 19880308; US 16713888 A 19880311